



Zarqa University

Faculty of pharmacy

1101102

Mathematics and pharmaceutical statistics

The purpose of this course is to get students familiar with the fundamental concepts of statistics which is useful in the fields of health and medical sciences. This course represents an introduction to the field and provides a survey of data and data types. Specific topics include tools for describing central tendency and variability in data; methods for performing inference on population means and proportions via sample data; statistical hypothesis testing and its application to group comparisons; issues of power and sample size in study designs; and random sample and other study types. While there are some formulae and computational elements to the course, the emphasis is on interpretation and concepts.